Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032619\
Data File : BN004973.D
Acq On : 26 Mar 2019 13:06
Operator : JU/SJ
Sample : SSTDICC020
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** SSTDICC020

Quant Time: Mar 26 15:15:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN032619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 26 15:08:55 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.68 | 152 | 9334 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.46 | 136 | 42182 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.32 | 164 | 25011 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.07 | 188 | 56062 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.27 | 240 | 56920 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 23.52 | 264 | 51808 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.27 | 112 | 21693 | 41.92 | ng | | 0.00 |
| 7) Phenol-d6 | 6.85 | 99 | 29071 | 40.50 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.84 | 82 | 28108 | 41.94 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.82 | 330 | 16251 | 43.59 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.94 | 172 | 76298 | 40.72 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.70 | 244 | 122101 | 42.23 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.21 | 88 | 3906 | 19.527 | ng | | 97 |
| 3) Pyridine | 3.60 | 79 | 11112 | 18.582 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.53 | 42 | 3292 | 18.043 | ng | # | 94 |
| 6) Aniline | 7.02 | 93 | 18463 | 20.815 | ng | | 99 |
| 8) 2-Chlorophenol | 7.25 | 128 | 13865 | 21.166 | ng | | 98 |
| 9) Benzaldehyde | 6.83 | 77 | 9329 | 18.991 | ng | | 97 |
| 10) Phenol | 6.88 | 94 | 15417 | 19.908 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.11 | 93 | 11912 | 19.401 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.56 | 146 | 14971 | 20.257 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.71 | 146 | 15331 | 20.297 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.02 | 146 | 14678 | 20.091 | ng | | 99 |
| 15) Benzyl Alcohol | 7.92 | 79 | 10786 | 20.163 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.20 | 45 | 14668 | 18.629 | ng | | 99 |
| 17) 2-Methylphenol | 8.12 | 107 | 10945 | 20.482 | ng | | 99 |
| 18) Hexachloroethane | 8.74 | 117 | 5380 | 21.885 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.48 | 70 | 9725 | 20.125 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.45 | 107 | 14829 | 19.928 | ng | | 99 |
| 22) Acetophenone | 8.50 | 105 | 19630 | 20.411 | ng | | 100 |
| 24) Nitrobenzene | 8.88 | 77 | 14184 | 20.626 | ng | | 99 |
| 25) Isophorone | 9.39 | 82 | 27842 | 23.992 | ng | | 99 |
| 26) 2-Nitrophenol | 9.59 | 139 | 8081 | 20.669 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.65 | 122 | 11563 | 20.692 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 9.88 | 93 | 17186 | 21.271 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.12 | 162 | 13110 | 19.938 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.32 | 180 | 14458 | 19.292 | ng | | 99 |
| 31) Naphthalene | 10.51 | 128 | 44819 | 21.828 | ng | | 100 |
| 32) Benzoic acid | 9.78 | 122 | 7612 | 18.425 | ng | | 98 |
| 33) 4-Chloroaniline | 10.63 | 127 | 18272 | 19.944 | ng | | 100 |
| 34) Hexachlorobutadiene | 10.78 | 225 | 9308 | 20.742 | ng | | 100 |
| 35) Caprolactam | 11.41 | 113 | 4339 | 18.714 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 11.76 | 107 | 14397 | 20.669 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.13 | 142 | 31974 | 21.804 | ng | | 100 |
| 38) 1-Methylnaphthalene | 12.35 | 142 | 31490 | 22.170 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.50 | 216 | 17380 | 19.331 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.46 | 237 | 8012 | 20.672 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.75 | 196 | 10825 | 19.391 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 12.83 | 196 | 11841 | 19.885 | ng | | 100 |
| 46) 1,1'-Biphenyl | 13.15 | 154 | 42303 | 19.097 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.19 | 162 | 32414 | 19.448 | ng | | 99 |
| 48) 2-Nitroaniline | 13.42 | 65 | 8617 | 20.750 | ng | | 99 |
| 49) Acenaphthylene | 14.05 | 152 | 55097 | 22.408 | ng | | 100 |
| 50) Dimethylphthalate | 13.79 | 163 | 41873 | 21.371 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 13.92 | 165 | 9476 | 20.719 | ng | | 96 |
| 52) Acenaphthene | 14.39 | 154 | 31005 | 20.792 | ng | | 99 |
| 53) 3-Nitroaniline | 14.25 | 138 | 9547 | 19.526 | ng | | 95 |
| 54) 2,4-Dinitrophenol | 14.46 | 184 | 4326 | 23.351 | ng | | 96 |
| 55) Dibenzofuran | 14.73 | 168 | 49892 | 20.311 | ng | | 100 |
| 56) 4-Nitrophenol | 14.57 | 139 | 6962 | 18.636 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 14.70 | 165 | 12938 | 20.929 | ng | # | 98 |
| 58) Fluorene | 15.37 | 166 | 40666 | 22.404 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.96 | 232 | 11066 | 20.590 | ng | # | 99 |
| 60) Diethylphthalate | 15.15 | 149 | 42605 | 20.551 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.37 | 204 | 21021 | 19.672 | ng | | 99 |
| 62) 4-Nitroaniline | 15.42 | 138 | 9746 | 19.863 | ng | | 99 |
| 63) Azobenzene | 15.66 | 77 | 35127 | 20.759 | ng | | 100 |
| 65) 4,6-Dinitro-2-methylphenol | 15.47 | 198 | 6928 | 21.077 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.59 | 169 | 35623 | 20.061 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.26 | 248 | 13823 | 19.548 | ng | | 97 |
| 68) Hexachlorobenzene | 16.37 | 284 | 16074 | 19.531 | ng | | 100 |
| 69) Atrazine | 16.54 | 200 | 13072 | 19.680 | ng | | 100 |
| 70) Pentachlorophenol | 16.73 | 266 | 7312 | 13.330 | ng | | 98 |
| 71) Phenanthrene | 17.12 | 178 | 63831 | 21.795 | ng | | 100 |
| 72) Anthracene | 17.20 | 178 | 63394 | 22.145 | ng | | 99 |
| 73) Carbazole | 17.49 | 167 | 58788 | 20.925 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.03 | 149 | 72206 | 21.781 | ng | | 100 |
| 75) Fluoranthene | 19.14 | 202 | 74874 | 23.716 | ng | | 99 |
| 77) Benzidine | 19.33 | 184 | 39036 | 19.831 | ng | | 99 |
| 78) Pyrene | 19.50 | 202 | 76373 | 19.878 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.40 | 149 | 31423 | 19.083 | ng | | 100 |
| 81) Benzo(a)anthracene | 21.26 | 228 | 71583 | 22.108 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.19 | 252 | 27762 | 20.573 | ng | | 98 |
| 83) Chrysene | 21.31 | 228 | 68882 | 22.244 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.17 | 149 | 43338 | 18.149 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.05 | 149 | 68385 | 19.282 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 25.77 | 276 | 67425 | 20.625 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 22.84 | 252 | 65981 | 22.875 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 22.89 | 252 | 60229 | 20.984 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.42 | 252 | 59097 | 22.113 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 25.78 | 278 | 55479 | 20.385 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 26.47 | 276 | 54275 | 20.508 | ng | | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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